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(72)Inventor: NARUSE KAZUYA

ONO TETSUSHI

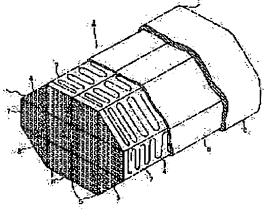
SHIMADO KOJI

(54) EXHAUST EMISSION CONTROL DEVICE

(57)Abstract:

PURPOSE: To prevent the occurrence of a combustion peak during regeneration and to improve regeneration efficiency and durability by a method wherein a heat generating body is embedded in a sealant and formed integrally with a filter and a heat generating amount mechanism is coupled to the heat generating body.

CONSTITUTION: A plurality of filter units 7 and 8 formed of porous ceramic consist mainly of a filter 3 formed in such a manner that a sealant 5 formed of a resilient material is located between the units for integral adhesion. A heat generating body 4 having a heat generating amount control mechanism is embedded in the sealant 5 and formed integrally with the filter 3. In this constitution, a heat generating amount control



mechanism controls a heat generating amount of the heat generating body 4 according to propagation of heat generated through combustion of particulate in the filter 3. The control described above suppresses the occurrence of combustion peak and prevents the generation of a crack. Thus, a device having excellent durability and combustion efficiency (regeneration efficiency) is provided.

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